

WHAT IS CLAIMED IS:

1. A method used in a computer system for creating from operational data an historical data warehouse containing subject-oriented data, comprising:

- a) obtaining operational data from a source system;
- 5 b) pre-processing said obtained operational data by a stepwise operation, wherein only the last operated upon data is recorded;
- c) transforming said pre-processed data into subject-oriented data by utilizing reusable primary keys and RDBMS dates in an operating system of the source system to link related pre-processed data;
- 10 and
- d) storing said subject-oriented data in the historical data warehouse.

2. A method used in a computer system for creating from operational data records an historical data warehouse containing related subject-oriented data

15 records, comprising:

- a) obtaining operational data records from a source system;
- b) pre-processing said obtained operational data records to generate pre-processed data records, wherein said pre-processing comprises operating on each operational data record in a serial manner,
- 20 adding new data to an immediately prior operated-on record with an entry being recorded only for the last serially operated-on record;

- c) transforming said pre-processed data records into related subject-oriented data records, wherein said transforming comprises linking related pre-processed data records together by means of reusable primary keys on said source system and dates within an RDBMS in an operating system of said source system; and
- d) storing said related subject-oriented data records in the historical data warehouse.

3. A method according to Claim 1, wherein said dates within said RDBMS in said operating system of said source system are obtained by trigger or log-scraping of said RDBMS.

4. A method according to Claim 1, further comprising the step of accessing the historical data warehouse by standard viewing means.

5. A method used in a computer system for creating from operational data records an historical data warehouse containing related subject-oriented data records, comprising:

- a) obtaining operational data records from a legacy source system;
- b) pre-processing said obtained operational data records to generate pre-processed data records, wherein said pre-processing comprises operating on each operational data record in a stepwise manner, adding new data to an immediately prior operated-on record with

an entry being recorded only for the record having the last stepwise operation;

- c) transforming said pre-processed data records into related subject-oriented data records, wherein said transforming comprises linking related pre-processed data records together by means of reusable primary keys on said source system and dates obtained by trigger or log-scraping an RDBMS in an operating system of said legacy source system; and
- d) storing said related subject-oriented data records in the historical data warehouse.

6. A method according to Claim 5, further comprising the step of accessing the historical data warehouse by standard viewing means.

7. A computer program that generates from operational data from a source system an historical data warehouse containing subject-oriented data, comprising:

- a) a preprocessing module, wherein said preprocessing module obtained said operational data by a stepwise operation, wherein only the last operated upon data is recorded and
- b) a transforming module, wherein said transforming module transform said preprocessed data into subject-oriented data by utilizing reusable primary

keys on the source system and RDBMS dates in an operating system of the source system to link related preprocessed data.

8. A computer program according to Claim 7, further comprising a storage
5 module for storing said subject-oriented data in an easily accessible format.

9. A computer system used to create from operational data records an historical data warehouse containing related subject-oriented data records, comprising:

- 10 a) means for obtaining operational data records from a source computer system;
- b) pre-processing means for pre-processing said obtained operational data records to generate pre-processed data records, wherein said pre-processing means operates on each operational data record in a serial manner, adding new data to an immediately prior operated-on record with an entry being recorded only for the last serially
15 operated-on record;
- c) transforming means for transforming said pre-processed data records into related subject-oriented data records, wherein said
20 transforming means links related pre-processed data records together by means of reusable primary keys on said source computer system and dates within an RDBMS in an operating system of said source computer system; and

d) storage means for storing said related subject-oriented data records in the historical data warehouse.

10. A computer system according to Claim 9, further comprising means for accessing the historical data warehouse by standard viewing means.

11. A computer system according to Claim 9, wherein said dates within said RDBMS in said operating system of said source system are obtained by trigger or log-scraping of said RDBMS.